

10301500 WALKER RIVER NEAR WABUSKA, NV

WALKER RIVER BASIN, WALKER RIVER BASIN

LOCATION.--Lat 39°09'08.86", long 119°05'56" referenced to North American Datum of 1983, in SE ¼ NW ¼ sec.20, T.15 N., R.26 E., Lyon County, Hydrologic Unit 16050303, on left bank, 600 ft upstream from timber bridge at Julian Ranch, 1.8 mi downstream from Southern Pacific Railroad bridge, 4.6 mi east of Wabuska, and 16 mi upstream from Weber Dam.

DRAINAGE AREA.--2,600 mi².

WATER-DISCHARGE RECORDS

REVISED RECORDS.--WSP 1314: 1923 (M). WSP 1634: 1904.

PERIOD OF RECORD.--Jul 1902 to Dec 1904, Jan 1905 to Jul 1908 (fragmentary), Jan 1920 to Sep 1924, Mar 1925 to Sep 1935, Jan 1939 to current year. Monthly discharge only for some periods published in WSP 1734.

GAGE.--Water-stage recorder. Elevation of gage is 4,300 ft above National Geodetic Vertical Datum of 1929, from topographic map. Jul 22, 1902, to Jul 31, 1908, nonrecording gage at site 2.5 mi upstream at different datum. Jan 15, 1920, to Sep 30, 1929, nonrecording gage or water-stage recorder at several sites near present site at various datums; Oct 01, 1929, to Sep 30, 1935, water-stage recorder at site 1.5 mi downstream at different datum. Jan 1939 to Sep 1958, non-recording gage on bridge 300 ft downstream at datum 1.19 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Many diversions for irrigation above station. Flow regulated by Bridgeport Reservoir (station 10292500) and Topaz Lake (station 10297000), combined capacity, 101,900 acre-ft No flow at times in 1924, 1925, and 1931.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 3,280 ft³/s, Jul 10, 11, 1906, gage height, 5.9 ft, site and datum then in use; maximum gage height, 10.92 ft, Jan 6, 1997; no flow at times, 1924, 1925, and 1931.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,790 ft³/s, Jun 1, gage height, 9.71 ft; minimum daily discharge, 6.8 ft³/s, Oct 17.

10301500 WALKER RIVER NEAR WABUSKA, NV—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	24	43	e8.7	e16	29	62	19	54	1,770	582	33	45
2	21	56	e8.5	e14	28	44	16	55	1,610	654	37	53
3	31	50	e8.3	e16	30	39	18	51	1,530	779	47	45
4	33	42	e8.2	e17	32	22	28	48	1,590	849	48	32
5	31	28	e8.2	e19	33	17	32	47	1,670	881	37	36
6	29	19	e8.3	20	34	17	39	53	1,560	808	38	54
7	28	18	e8.5	16	36	19	40	148	1,470	756	41	37
8	25	19	e9.1	20	39	17	27	140	1,450	799	43	45
9	24	18	e10	34	46	17	26	86	1,420	808	122	38
10	24	17	e12	e34	43	16	26	94	1,210	824	130	22
11	25	20	e21	e33	41	18	28	125	924	814	96	36
12	25	16	e32	e33	39	20	40	101	762	754	54	29
13	23	14	29	e32	38	21	41	61	592	682	23	18
14	16	13	22	32	37	24	39	44	520	614	13	21
15	9.5	13	27	35	43	23	26	25	527	573	11	36
16	7.0	10	28	42	50	22	31	80	716	549	9.7	41
17	6.8	9.9	29	44	49	16	36	104	989	522	17	32
18	7.6	10	33	45	49	19	29	441	1,230	481	32	38
19	9.1	10	32	42	52	18	42	526	1,370	409	36	39
20	18	10	29	43	58	20	44	606	1,400	316	27	44
21	26	e9.4	25	41	57	25	69	952	1,250	245	23	56
22	24	e9.4	22	39	55	22	44	1,230	761	189	22	56
23	28	e9.7	21	38	56	26	37	1,460	462	224	36	55
24	39	e10	20	27	78	32	26	1,590	394	217	36	58
25	50	e10	17	26	74	37	30	1,590	389	176	32	62
26	60	e9.9	12	29	65	35	19	e1,100	397	162	30	67
27	65	e9.6	20	34	59	22	18	e980	377	133	45	73
28	88	e9.3	17	36	59	18	21	941	407	82	61	77
29	72	e9.1	13	34	---	16	63	1,230	467	56	43	43
30	63	e8.9	20	33	---	20	56	1,470	530	34	32	46
31	51	---	e18	31	---	20	---	1,650	---	31	32	---
Total	983.0	531.2	576.8	955	1,309	744	1,010	17,082	29,744	15,003	1,286.7	1,334
Mean	31.7	17.7	18.6	30.8	46.8	24.0	33.7	551	991	484	41.5	44.5
Max	88	56	33	45	78	62	69	1,650	1,770	881	130	77
Min	6.8	8.9	8.2	14	28	16	16	25	377	31	9.7	18
Ac-ft	1,950	1,050	1,140	1,890	2,600	1,480	2,000	33,880	59,000	29,760	2,550	2,650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	74.8	88.7	108	128	138	147	151	256	477	253	90.1	67.6
Max	585	704	854	1,669	905	949	1,344	1,262	2,255	1,604	922	357
(WY)	(1984)	(1983)	(1984)	(1997)	(1997)	(1983)	(1952)	(1969)	(1983)	(1995)	(1983)	(1983)
Min	0.00	1.53	3.42	7.17	14.0	10.6	10.0	6.00	5.00	0.23	0.00	0.00
(WY)	(1932)	(1932)	(1993)	(1978)	(1930)	(1931)	(1924)	(1924)	(1924)	(1931)	(1924)	(1924)

10301500 WALKER RIVER NEAR WABUSKA, NV—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1902 - 2005	
Annual total	15,436.2		70,558.7			
Annual mean	42.2		193		166	
Highest annual mean					832	1983
Lowest annual mean					12.9	1931
Highest daily mean	138	Jun 17	1,770	Jun 1	2,740	Jun 6, 1986
Lowest daily mean	3.1	Aug 28	6.8	Oct 17	0.00	Aug 1, 1924
Annual seven-day minimum	8.4	Dec 1	8.4	Dec 1	0.00	Aug 1, 1924
Maximum peak flow			1,790	Jun 1	3,280	Jul 10, 1906
Maximum peak stage			9.71	Jun 1	10.92	Jan 6, 1997
Annual runoff (ac-ft)	30,620		140,000		120,200	
10 percent exceeds	81		761		383	
50 percent exceeds	39		36		67	
90 percent exceeds	10		13		16	

10301500 WALKER RIVER NEAR WABUSKA, NV—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1960 to Jun 1996; Nov 1996 to current year.

PERIOD OF DAILY RECORD.--CHEMICAL ANALYSES: Oct 1968 to Sep 1969.

SPECIFIC CONDUCTANCE: Oct 1968 to Sep 1976, once-daily; May 1995 to Jun 1996, Nov 1996 to current year, four times per hour.

WATER TEMPERATURE: Oct 1968 to Sep 1976, once-daily; May 1995 to Jun 1996, Nov 1996 to current year, four times per hour.

INSTRUMENTATION.--Water quality monitor May 1995 to Jun 1996, Nov 1996 to current year, four times per hour.

REMARKS.--Inflow from two drainage ditches occasionally enters stream less than a mile above sampling site. Because inflow and streamflow differ in quality, and because the waters do not mix thoroughly above sampling site, flow at site is not homogenous either chemically or thermally when ditches discharge to the stream. Doubtless, this was responsible for some of the variation shown by daily specific-conductance and temperature data during water years 1969-76. Detailed sampling information is available from U.S. Geological Survey, Carson City, Nv. Pesticide analyses prior to Oct 1981 from U.S. Environmental Protection Agency. Records represent water temperature at probe within 0.5°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 792 microsiemens, cm at 25°C, Dec 12, 1972; minimum daily, 116 microsiemens, cm at 25°C, Jul 23, 1998.

WATER TEMPERATURE: Maximum daily, 35.0°C, Jul 22, 2003; minimum daily, freezing point on many days during winter months of most years.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 661 microsiemens/cm, Dec 26; minimum, 134 microsiemens/cm, Jul 9.

WATER TEMPERATURE: Maximum, 30.5°C, Jul 31, Aug 21, 22; minimum, 0.0°C, on many days.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 1 of 7

[Remark codes: <, less than; M, presence verified but not quantified.]

Date	Time	Sample type	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)
Jan												
26...	1057	Environmental	--	--	--	--	--	--	--	--	--	--
26...	1100	Replicate	--	--	--	--	--	--	--	--	--	--
Mar												
08...	0845	Environmental	17	659	10.1	8.2	499	7.0	6.4	39.0	8.86	4.86
08...	0920	Replicate	--	659	10.0	8.3	497	7.0	6.4	40.3	9.17	4.87
Apr												
22...	0945	Bed material	--	--	--	--	--	--	--	--	--	--

10301500 WALKER RIVER NEAR WABUSKA, NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 2 of 7

[Remark codes: <, less than; M, presence verified but not quantified.]

Date	Sodium, water, fltrd, mg/L (00930)	Calcium bed sedimnt recover-able, mg/kg (00917)	Magnesium bed sedimnt recover-able, mg/kg (00924)	Potassium bed sedimnt recover-able, mg/kg (00938)	Sodium bed sedimnt recover-able, mg/kg (00934)	Alkalinity, wat flt inc tit mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Sulfur, bed sed <62.5um wet svd field, total, percent (34970)
Jan 26...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
Mar 08...	54.4	--	--	--	--	149	182	.24	23.6	.9	17.5	64.2	--
08...	56.4	--	--	--	--	150	183	.23	23.6	.8	17.5	64.3	--
Apr 22...	--	19,000	14,000	18,000	14,000	--	--	--	--	--	--	--	.11

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 3 of 7

[Remark codes: <, less than; M, presence verified but not quantified.]

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Phosphorus, bed sedimnt total, mg/kg (00668)	Total carbon, sedimnt <62.5um wsv nat field percent (49267)	Organic carbon, bed sed <62.5um wsv nat field percent (49266)	Boron, water, fltrd, ug/L (01020)	Iron, water, fltrd, ug/L (01046)	Manganese, water, fltrd, ug/L (01056)	Strontium, water, fltrd, ug/L (01080)	Aluminum, bed sedimnt recover-able, ug/g (01108)	Antimony, bed sed <62.5um wet svd fld,tot ug/g (34795)	Arsenic bed sed <62.5um wet svd field, total, ug/g (34800)	Barium, bed sed <62.5um wet svd field, total, ug/g (34805)	Beryllium, bed sed <62.5um wet svd fld,tot ug/g (34810)
Jan 26...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
Mar 08...	312	--	--	--	480	8	21.2	370	--	--	--	--	--
08...	317	--	--	--	M	7	21.1	360	--	--	--	--	--
Apr 22...	--	1,400	2.0	1.9	--	--	--	--	81,000	1.6	24	950	2.3

10301500 WALKER RIVER NEAR WABUSKA, NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 4 of 7

[Remark codes: <, less than; M, presence verified but not quantified.]

Date	Bismuth bed sed <177um wet svd field, total, ug/g (34816)	Cadmium bed sed <62.5um wet svd field, total, ug/g (34825)	Cerium, bed sed <62.5um wet svd field, total, ug/g (34835)	Chrom- ium, bed sed <62.5um wet svd fld,tot ug/g (34840)	Cobalt, bed sed <62.5um wet svd field, total, ug/g (34845)	Copper, bed sed <62.5um wet svd field, total, ug/g (34850)	Gallium bed sed <62.5um wet svd field, total, ug/g (34860)	Iron, bed sedimnt total, ug/g (01170)	Lantha- num, bed sed <62.5um wet svd fld,tot ug/g (34885)	Lead, bed sed <62.5um wet svd field, total, ug/g (34890)	Lithium bed sed <62.5um wet svd field, total, ug/g (34895)	Mangan- ese, bed sed <62.5um wet svd fld,tot ug/g (34905)	Mercury bed sed <62.5um wet svd field, total, ug/g (34910)
	Jan 26... 26...	--	--	--	--	--	--	--	--	--	--	--	--
Mar 08... 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
Apr 22...	.450	.240	73	40	14	53	20	42,000	34	21	42	2,000	.26

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 5 of 7

[Remark codes: <, less than; M, presence verified but not quantified.]

Date	Molyb- denum, bed sed <62.5um wet svd fld,tot ug/g (34915)	Nickel, bed sed <62.5um wet svd field, total, ug/g (34925)	Niobium bed sed <62.5um wet svd field, total, ug/g (34930)	Scand- ium, bed sed <62.5um wet svd fld,tot ug/g (34945)	Silver, bed sed <62.5um wet svd field, total, ug/g (34955)	Stront- ium, bed sed <62.5um wet svd fld,tot ug/g (34965)	Tant- alum, bed sed <62.5um wet svd fld,tot ug/g (34975)	Thall- ium, bed sed <62.5um dry svd total, ug/g (04064)	Thorium bed sed <62.5um wet svd field, total, ug/g (34980)	Titan- ium, bed sedimnt total, ug/g (01153)	Vanad- ium, bed sed <62.5um wet svd fld,tot ug/g (35005)	Yttrium bed sed <62.5um wet svd field, total, ug/g (35010)	Zinc, bed sed <62.5um wet svd field, total, ug/g (35020)
	Jan 26... 26...	--	--	--	--	--	--	--	--	--	--	--	--
Mar 08... 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
Apr 22...	1.6	23	15	13	<3	460	.9	.660	15	5,900	120	19	100

10301500 WALKER RIVER NEAR WABUSKA, NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 6 of 7

[Remark codes: <, less than; M, presence verified but not quantified.]

Date	Deuterium/ Protium	Rn-222	Rn-222,	Sr-87/ Sr-86	U-234,	U-235,	U-238,	Alpha radio- activity	B11/B10	Gross beta radio- activity	Ra-226,	Ra-228,	Uranium bed sed <62.5um wet svd field, total, ug/g
	ratio, water, unfltrd per mil (82082)	2-sigma water unfltrd pCi/L (76002)	water, unfltrd pCi/L (82303)	ratio, water, fltrd, per mil (75978)	water, fltrd, pCi/L (22610)	water, fltrd, pCi/L (22620)	water, fltrd, pCi/L (22603)	bed sedimnt Th-230, pCi/g (04125)	ratio, water, fltrd, per mil (62648)	bed sed Cs-137, pCi/g (49962)	bed sedimnt pCi/g (09507)	bed sedimnt pCi/g (75977)	(35000)
Jan													
26...	--	22	40	--	--	--	--	--	--	--	--	--	--
26...	--	22	30	--	--	--	--	--	--	--	--	--	--
Mar													
08...	-108	--	--	.70619	4.8	.2	3.6	--	4.06	--	--	--	--
08...	-108	--	--	.70620	4.6	.2	3.8	--	4.07	--	--	--	--
Apr													
22...	--	--	--	--	--	--	--	26	--	30	1.0	1.3	5.8

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004
TO SEPTEMBER 2005

Part 7 of 7

[Remark codes: <, less than;
M, presence verified but not
quantified.]

Date	O-18 / O-16 ratio, water, unfltrd per mil (82085)	S34/S32 in sulfate water, fltrd, per mil (49932)
	Jan	
26...	--	--
26...	--	--
Mar		
08...	-13.63	6.55
08...	-13.67	6.62
Apr		
22...	--	--

10301500 WALKER RIVER NEAR WABUSKA, NV—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	355	344	350	364	349	357	542	480	501	440	407	419
2	363	346	354	---	---	---	610	516	564	456	416	428
3	370	359	364	378	372	375	596	520	558	453	419	436
4	368	359	362	386	376	381	572	520	547	447	426	440
5	385	362	374	398	386	392	580	521	550	456	420	443
6	385	374	381	412	398	406	586	514	553	481	438	456
7	380	366	373	---	---	---	590	478	541	498	447	476
8	379	365	372	431	410	419	478	429	457	479	427	452
9	372	365	368	470	430	446	436	378	403	485	394	438
10	384	368	377	437	416	431	389	367	377	425	380	401
11	371	361	367	428	411	422	407	384	395	401	379	390
12	368	360	363	---	---	---	431	404	413	403	373	384
13	374	361	366	---	---	---	438	416	429	420	381	396
14	387	372	379	445	437	441	452	428	441	456	404	428
15	407	380	394	447	441	443	434	422	429	462	409	431
16	410	398	403	---	---	---	436	425	430	440	412	427
17	414	400	408	444	437	440	460	424	432	446	411	422
18	428	410	418	445	438	441	445	414	424	418	404	413
19	420	386	414	443	438	441	436	415	427	420	406	415
20	415	384	401	447	440	443	462	426	442	415	408	411
21	398	385	390	462	442	451	540	443	464	420	408	415
22	394	387	391	462	442	451	541	429	474	423	416	419
23	395	373	388	467	442	456	529	446	491	440	418	423
24	374	336	357	488	448	468	571	465	525	445	439	442
25	338	321	330	501	487	493	631	510	574	471	438	448
26	324	307	318	507	493	502	661	527	608	446	428	441
27	315	306	309	507	416	461	582	448	504	442	424	433
28	316	310	313	510	460	489	510	460	489	433	426	429
29	322	312	317	557	456	504	578	426	505	436	427	433
30	339	322	332	536	477	507	487	418	457	454	433	441
31	351	338	344	---	---	---	462	410	426	457	441	448
Month	428	306	367	---	---	---	661	367	478	498	373	428

10301500 WALKER RIVER NEAR WABUSKA, NV—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	460	450	456	503	485	496	423	397	408	285	266	275
2	467	457	462	507	496	503	433	394	414	279	268	274
3	466	456	462	524	500	507	406	384	397	282	268	274
4	460	450	456	533	515	528	385	349	369	276	266	271
5	458	448	452	546	528	538	366	328	350	269	247	260
6	451	443	448	540	520	533	339	315	327	276	251	262
7	448	438	443	522	490	510	334	314	325	264	229	235
8	444	422	438	515	493	503	349	330	338	245	232	238
9	441	422	435	510	489	500	346	326	335	250	240	245
10	453	436	443	508	483	498	331	312	321	243	229	235
11	467	453	461	489	468	481	327	307	318	236	221	227
12	470	460	465	476	458	468	319	308	314	---	---	---
13	470	459	464	469	459	465	316	305	310	---	---	---
14	473	461	467	469	430	449	344	306	317	---	---	---
15	469	453	463	443	423	431	346	327	336	---	---	---
16	457	442	448	---	---	---	330	317	323	---	---	---
17	444	434	440	446	423	432	320	308	314	---	---	---
18	442	436	439	447	411	420	346	312	326	---	---	---
19	451	441	447	432	414	424	342	314	326	---	---	---
20	462	445	453	427	414	420	344	329	335	---	---	---
21	480	462	474	418	400	411	332	292	311	---	---	---
22	486	475	479	429	402	419	312	298	306	---	---	---
23	526	483	494	414	381	400	335	310	325	---	---	---
24	493	479	488	382	358	373	344	332	337	---	---	---
25	492	475	485	403	363	377	344	315	327	---	---	---
26	500	488	494	430	402	416	370	333	357	---	---	---
27	501	491	497	450	429	440	376	348	365	---	---	---
28	503	481	495	453	437	445	349	310	336	182	168	175
29	---	---	---	469	440	452	310	265	275	185	175	178
30	---	---	---	451	420	435	277	269	274	209	185	193
31	---	---	---	436	402	422	---	---	---	220	209	215
Month	526	422	462	---	---	---	433	265	334	---	---	---

10301500 WALKER RIVER NEAR WABUSKA, NV—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	226	217	221	167	159	162	344	310	319	272	259	266
2	218	191	206	162	147	153	320	298	307	260	242	253
3	191	187	189	154	140	143	301	280	294	272	249	257
4	195	189	192	148	136	139	289	260	272	308	272	295
5	204	193	199	144	138	141	310	286	303	301	247	277
6	201	191	197	152	142	148	309	283	292	254	229	238
7	193	190	192	151	142	146	311	271	290	265	248	255
8	204	190	196	145	138	142	341	282	316	300	248	263
9	205	195	201	141	134	138	282	244	261	311	269	284
10	223	200	211	140	136	138	248	238	242	368	311	352
11	223	216	220	143	139	141	251	239	245	344	296	306
12	222	218	220	148	141	144	302	250	268	348	310	331
13	227	208	219	157	148	154	384	301	346	387	343	366
14	210	204	207	155	149	152	394	376	386	365	320	352
15	214	192	203	157	150	154	608	378	420	320	283	294
16	194	163	178	158	152	155	589	440	473	301	266	278
17	164	157	160	155	153	154	475	336	419	300	278	290
18	162	157	160	164	152	159	369	336	349	293	282	288
19	167	161	164	180	162	168	360	311	331	297	285	289
20	165	162	163	198	164	177	370	347	357	331	278	307
21	179	162	170	221	171	185	377	349	362	306	285	299
22	191	172	183	---	---	---	391	335	373	302	289	294
23	191	182	186	196	171	180	346	310	328	324	293	309
24	188	175	182	---	---	---	322	309	314	355	306	314
25	179	172	175	---	---	---	332	307	320	317	304	311
26	176	169	172	---	---	---	330	288	317	315	306	310
27	181	172	177	255	182	220	289	266	275	311	304	307
28	178	162	170	290	234	254	281	238	259	318	301	305
29	171	160	165	314	258	277	275	248	263	347	317	332
30	171	158	164	351	291	309	305	269	286	339	321	329
31	---	---	---	332	302	313	307	271	290	---	---	---
Month	227	157	188	---	---	---	608	238	319	387	229	298

10301500 WALKER RIVER NEAR WABUSKA, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	22.0	11.0	16.0	11.5	2.0	6.0	0.5	0.0	0.5	4.5	0.0	1.0
2	21.0	11.5	15.5	---	---	---	0.5	0.0	0.5	1.0	0.0	0.0
3	22.5	12.0	17.0	6.0	4.5	5.5	0.5	0.0	0.5	0.0	0.0	0.0
4	22.0	12.5	16.5	10.0	3.5	6.0	0.5	0.5	0.5	0.5	0.0	0.0
5	21.5	10.5	15.5	12.0	2.5	6.0	0.5	0.5	0.5	5.0	0.0	1.0
6	21.5	10.0	15.0	13.5	2.5	6.5	0.5	0.5	0.5	4.5	0.0	0.5
7	21.5	10.0	15.0	---	---	---	0.5	0.0	0.5	1.0	0.0	0.0
8	20.5	9.5	14.0	10.0	6.5	8.0	0.5	0.0	0.5	0.5	0.0	0.0
9	19.0	11.0	14.0	15.0	7.5	10.0	3.5	0.0	1.0	2.0	0.0	0.5
10	18.5	8.5	12.0	15.0	7.5	10.0	3.5	0.0	1.0	2.0	0.0	0.5
11	17.5	6.5	11.0	11.5	5.5	8.5	5.5	0.0	1.5	4.0	0.0	1.5
12	18.5	6.5	11.5	---	---	---	5.0	0.0	1.5	3.5	0.0	0.5
13	19.5	8.0	12.5	---	---	---	5.5	0.0	1.5	0.5	0.0	0.0
14	21.0	8.0	13.0	14.0	5.0	8.0	8.0	0.0	2.5	2.0	0.0	0.5
15	22.0	6.5	13.0	11.5	4.0	7.0	7.0	0.0	2.5	3.5	0.0	0.5
16	19.0	6.5	12.0	---	---	---	6.5	0.0	2.0	3.5	0.0	1.0
17	17.0	9.0	12.0	13.5	3.0	7.5	5.5	0.0	1.5	4.5	0.0	1.0
18	13.5	7.0	10.0	13.5	2.5	7.0	2.5	0.0	0.5	3.0	1.0	2.0
19	9.5	6.5	8.0	9.5	2.5	6.0	3.5	0.0	1.0	3.5	1.0	2.0
20	10.5	5.5	7.5	7.0	0.0	2.5	3.0	0.0	1.0	3.0	0.5	1.5
21	14.0	3.5	7.0	6.0	0.0	1.5	4.0	0.0	1.0	3.0	0.5	1.5
22	16.0	3.5	8.5	6.0	0.0	2.0	0.5	0.0	0.0	3.5	1.0	1.5
23	9.5	7.0	8.0	7.0	0.0	2.0	0.5	0.0	0.0	3.0	0.5	1.5
24	11.5	7.5	8.5	8.0	0.0	3.0	0.5	0.0	0.0	3.0	0.5	1.5
25	13.5	6.5	9.0	6.0	0.5	3.5	1.0	0.0	0.0	5.5	1.0	2.0
26	8.5	6.5	7.5	10.0	2.0	5.5	1.0	0.0	0.0	4.5	1.0	2.5
27	11.0	5.5	7.5	5.5	0.0	1.5	2.5	0.0	0.5	7.0	2.0	4.0
28	7.5	4.5	6.0	2.0	0.0	0.5	3.0	0.0	1.0	5.5	2.0	3.5
29	11.5	4.5	7.5	0.5	0.0	0.5	6.0	0.0	1.5	6.5	0.5	2.5
30	11.5	4.5	7.5	0.5	0.0	0.0	5.5	0.0	2.0	7.0	0.0	2.0
31	11.5	4.0	7.0	---	---	---	4.0	0.0	1.0	6.5	0.0	2.5
Month	22.5	3.5	11.1	---	---	---	8.0	0.0	0.9	7.0	0.0	1.3

10301500 WALKER RIVER NEAR WABUSKA, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	4.0	1.5	2.5	10.0	5.0	7.5	20.5	5.5	11.0	19.5	12.5	16.0
2	5.5	1.0	2.5	13.0	5.5	8.5	21.5	7.0	12.5	21.5	12.0	16.5
3	5.5	0.5	2.0	12.0	4.0	7.5	16.5	7.0	10.5	23.5	13.0	17.5
4	5.0	1.0	2.5	13.0	4.5	8.0	17.5	5.5	10.5	21.0	14.5	17.5
5	5.5	0.5	2.0	15.5	3.5	8.5	20.5	6.5	12.5	17.0	13.0	15.0
6	7.5	1.0	3.5	16.5	3.5	8.5	18.5	8.5	13.5	13.5	11.0	12.5
7	5.5	1.5	3.5	17.0	4.0	9.0	15.5	8.5	12.0	18.5	11.5	14.5
8	6.5	1.5	3.5	18.5	4.5	10.5	14.0	5.5	9.0	18.0	13.5	15.5
9	7.5	1.0	3.5	19.5	5.0	11.0	13.0	5.0	8.5	19.0	12.5	15.0
10	8.5	1.0	4.0	19.0	6.5	11.5	19.0	5.0	11.0	16.0	11.0	13.0
11	5.5	3.0	4.0	20.5	7.0	12.5	21.5	7.5	13.5	18.0	10.5	14.0
12	11.0	3.0	6.0	20.0	7.0	12.0	19.5	8.0	13.0	21.0	12.0	16.5
13	10.0	3.0	6.5	17.5	6.0	10.5	17.0	8.5	11.5	22.5	14.0	18.0
14	10.5	4.5	7.0	16.0	4.5	8.5	18.0	6.0	11.0	26.0	15.5	20.0
15	6.5	4.0	5.0	16.5	3.5	8.5	20.0	6.0	12.0	22.0	17.0	19.0
16	5.0	3.0	4.0	---	---	---	22.5	8.0	14.5	20.0	16.0	17.5
17	7.0	3.5	5.0	13.5	5.5	8.5	22.0	11.5	15.5	19.5	13.0	16.5
18	5.0	3.0	4.0	17.5	4.0	9.5	19.5	8.5	12.0	17.5	14.5	16.0
19	10.5	4.0	6.0	15.5	5.5	10.0	15.0	6.5	10.5	19.5	16.0	17.5
20	10.5	4.5	7.0	13.0	5.0	8.0	17.0	6.5	11.5	20.0	16.5	18.0
21	9.0	6.0	7.0	14.5	4.5	9.0	19.0	8.0	13.5	18.5	16.0	17.0
22	7.5	5.5	6.0	14.0	7.5	10.0	20.0	10.0	14.5	17.5	17.0	17.0
23	9.0	5.0	6.5	13.0	6.0	9.0	17.0	10.0	13.5	18.5	17.0	17.5
24	11.5	4.5	7.0	14.0	4.0	8.0	18.0	9.0	12.5	19.0	18.0	18.5
25	12.0	4.5	7.5	16.5	4.0	9.0	22.0	7.0	14.0	19.5	18.5	19.0
26	12.5	4.5	8.0	16.5	5.0	10.0	24.5	9.0	16.0	---	---	---
27	12.0	4.5	8.0	18.0	8.0	11.5	20.0	12.0	14.5	---	---	---
28	13.5	6.0	9.0	15.0	6.0	9.5	19.0	8.5	13.5	18.0	16.5	17.5
29	---	---	---	18.0	6.0	10.5	19.0	10.5	15.0	17.0	15.5	16.5
30	---	---	---	18.5	4.0	10.0	19.5	12.0	15.5	18.0	16.0	17.0
31	---	---	---	19.0	4.0	10.5	---	---	---	20.0	17.0	18.5
Month	13.5	0.5	5.1	---	---	---	24.5	5.0	12.6	---	---	---

10301500 WALKER RIVER NEAR WABUSKA, NV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	20.5	17.5	19.0	23.5	19.5	21.5	30.0	20.0	24.5	26.0	15.5	20.5
2	20.0	18.0	19.0	23.0	20.0	21.5	28.0	18.5	23.0	26.5	16.5	21.0
3	19.0	16.5	18.0	22.0	19.5	21.0	29.5	18.5	23.5	26.5	16.0	20.5
4	19.5	16.5	18.0	21.5	19.5	20.5	30.0	19.5	24.5	26.0	15.5	20.0
5	19.0	17.5	18.0	22.0	20.0	21.0	30.0	20.5	25.0	26.0	14.5	19.5
6	18.0	16.0	17.0	23.5	20.5	22.0	30.0	20.5	24.5	25.0	15.5	20.0
7	17.5	15.0	16.5	23.5	21.0	22.0	28.0	21.0	24.5	26.5	15.5	20.5
8	17.0	15.5	16.0	23.5	21.0	22.0	30.0	20.0	24.5	25.5	16.0	20.0
9	18.0	16.0	16.5	22.0	20.0	21.0	28.5	21.5	24.5	25.0	16.0	19.5
10	19.0	16.5	17.5	22.0	18.5	20.5	28.0	20.5	24.0	22.5	13.0	16.5
11	19.5	17.0	18.5	23.0	20.5	21.5	28.0	19.0	23.5	21.5	12.0	16.0
12	20.0	17.5	18.5	24.5	21.5	23.0	29.0	19.0	23.5	22.0	12.0	16.0
13	20.5	17.5	19.0	25.0	22.0	23.5	28.5	18.0	23.0	23.5	11.5	16.5
14	21.0	18.0	19.0	25.5	22.0	23.5	29.5	17.5	23.0	23.5	12.0	16.5
15	21.0	17.5	19.0	25.0	22.5	24.0	24.0	18.5	21.0	22.5	13.0	17.0
16	19.5	17.5	18.5	25.0	21.5	23.0	27.5	17.0	21.5	22.0	14.0	17.5
17	17.5	16.0	17.0	25.5	21.5	23.5	29.5	16.5	22.0	22.5	12.5	17.0
18	17.0	14.5	16.0	26.0	22.5	24.0	29.5	19.0	23.0	21.5	13.0	16.5
19	18.0	16.0	17.0	26.5	22.0	24.0	29.0	18.0	22.5	22.5	12.5	17.0
20	19.5	17.0	18.0	26.5	21.5	24.0	29.5	18.0	23.0	18.0	13.5	16.0
21	19.5	17.0	18.5	27.5	21.0	23.5	30.5	19.0	23.5	23.0	14.5	18.0
22	20.5	17.0	19.0	---	---	---	30.5	18.5	23.5	23.0	14.0	18.5
23	22.0	17.5	19.5	26.5	15.0	22.0	29.5	18.5	23.5	21.5	14.5	17.5
24	22.0	18.5	20.0	---	---	---	29.5	18.5	23.0	17.5	12.5	14.5
25	20.5	17.0	18.5	---	---	---	29.5	18.5	23.5	18.0	10.5	14.0
26	21.5	17.0	19.0	---	---	---	30.0	18.5	23.5	15.5	11.5	14.0
27	22.0	17.0	19.5	27.5	20.0	23.5	29.0	18.5	23.5	17.5	12.0	14.5
28	22.0	18.0	20.0	26.5	21.0	23.5	28.5	19.5	23.5	18.5	12.0	15.0
29	22.5	19.0	20.5	27.5	19.5	23.0	26.0	18.5	22.0	20.5	11.5	15.5
30	22.5	19.0	20.5	30.0	19.0	23.5	25.5	15.5	19.5	20.5	12.0	16.0
31	---	---	---	30.5	20.5	25.0	26.0	15.0	19.5	---	---	---
Month	22.5	14.5	18.4	---	---	---	30.5	15.0	23.1	26.5	10.5	17.4